ABSTRACT

A disk valve comprises an inlet port, an outlet port, a first disk provided with a first through hole communicating with the inlet port and extending axially and a second through hole communicating with the outlet port and extending axially, and a second disk provided with a concave capable of communicating with the first through hole and the second through hole of the first disk on one end face and slidably and movably contacting one end face of the first disk at the one end face. A closed space is formed radially outside the second disk, and the second disk slides relative to the first disk to adjust the degree of overlap between the concave of the second disk and the first through hole of the first disk. The slidably and movably contacting part between the first disk and the second disk is self-lubricated. The disk valve further comprises a communication passage for always placing the first through hole into communication with the closed space radially outside the second disk. A portion of the one end face of the first disk adjacent to the part slidably and movably contacting the second disk opposes the closed space